



OREGON

TUALATIN

VALLEY

Sept. 1983

AMATEUR RADIO CLUB

PO Box 5132 Beaverton, Oregon 97006

Meeting: Wednesday, Sept. 21 at 7:00 pm..
Coffee, juice and cookies at BREAK time...

PGE BUILDING-MURRAY AND SCHOLLS FERRY ROAD-BEAVERTON

President:	Bert Schmidt	W7JWG	Trustee:	Al Berg	WB7SIC
Vice-Pres:	Doc Miller	KA7BSD	Trustee:	Randy Cobb	KA7HJT
Secretary:	Linda Cereghino	N7CZY	Trustee:	Warren Knight	N7BIJ
Treasurer:	John Koenig	NB7W	Trustee:	Bob Orr	KB7CC
			Trustee:	Dick Powers	WB7ADM

Editor: Al Berg WB7SIC-----Circulation 250-----Copy: Dennis Boyd KC7BE

CLUB JACKETS: We haven't beat the tom-tom on this for quite some time. Winter is fast approaching. Yes, it seems like it just ended but not so. Now is the time to place your order so as to be nice and cozy when the cold weather hits us. The jackets are very comfortable and look real spiffy when we all head for a hamfair or our convention. You DO NOT have to pay for it until it is delivered. Why not get with it and put in your order NOW!!!

OREGON STATE CONVENTION-1984: The show of hands at the Aug. meeting indicated an overwhelming YES for holding another convention. Well, it is now time to hear from all of the willing hands who step forward to offer help. We have a number of committee duties to perform and need YOUR expertise. On another page you will find a list of those committees. Just pick and choose and then pick up the phone and give me a call. We need to get organized no later than mid-October. The earlier the better. It is VERY surprising that only ONE member came up with an idea for the banquet program. Guess \$100.00 wasn't good enough to stir up a little thinking. Strange??!! As we do more of these conventions, the job gets easier. The time spent gets less and the results get better. Don't be afraid to help out! It is not all that difficult. CALL and offer aid. Al---640-5456.....

NCRA's SEASIDE MACHINE MAKES SMOOTH MOVE

The North Coast Repeater Association has moved their Seaside Repeater (145.45, 500) from Tillamook Head to Sugarloaf Mountain in the Coast range. The new location allows excellent coverage of the Seaside and Northern Coastal areas and can be worked from some areas in the Tualatin Valley. The repeater is completely solar powered and sounds great! The move was partially financed by proceeds from the Oregon State Ham Convention. FANTASTIC!!!



**TO ERR IS HUMAN.
BUT IF YOU REALLY
WANT TO
MESS THINGS UP
USE A COMPUTER!**

THE PERSON IN THE GLASS

When you get what you want in your struggle for self
And the world makes you king for a day,
Just go to a mirror and look at yourself,
And see what THAT one has to say.

For it isn't your father or mother or wife
Whose judgement upon you must pass.
The fellow whose verdict counts most in your life
Is the one staring back from the glass.

Some folks may think you a straight shooting chum
And call you a wonderful guy,
But the man in the glass says you're only a bum
If you can't look him straight in the eye.

That's the person to please, never mind all the rest,
For he's with you clear up to the end
And you've passed your most dangerous, difficult test
If the one in the glass is your friend.

You may fool the whole world down the pathway of years
And get a pat on the back as you pass,
But your final reward will be heartaches and tears
If you've cheated the one in the glass. (HARC)

VDTs PRESENT NO HEALTH HAZARDS...

"There is no valid scientific evidence that video display terminals (VDTs) are harmful to your health - or eyes" according to a report commissioned by the National Institute for Occupational Safety and Health (NIOSH). VDTs are the little TV screens used to display computer data. Although 40-80% of the terminal operators questioned reported eyestrain, this was no different than non-VDT users. The report took a twelve member panel - two years and \$180,000 to produce.

On the question of excess radiation, the researchers found that VDT operators are subjected to less radiation from terminals than from the sun and fluorescent lights. The New York based "March of Dimes Birth Defects Foundation" said that VDTs "don't cause miscarriages, deformed babies or problem pregnancies.

But many states are not convinced of the findings! Several states have or are considering legislation on VDTs covering such areas as work/rest periods, vision testing, mandatory periodic maintenance and proper "ergonomics" (illumination/glare control, desk/chair heights, back support, etc.) This has prompted NIOSH to consider formulating nationwide federal standards for VDT use.

LICENSE PLATE CHARACTER RECOGNITION

Automated law enforcement could become a reality if LPCR - license plate character recognition - gains acceptance. The little known technology consists of a high-resolution video camera; character recognition imaging electronics, and a microprocessor that could immediately interrogate criminal and police record files.

An LPCR system (which is installed along city streets and highways) is triggered by an oncoming automobile. The system quickly reads the license plate of an automobile, compares it to its data file (list of outstanding warrants, people who have had their license suspended or revoked... even common parking ticket scofflaws) and then photographs the driver. A two camera system is used to automatically send speeding tickets!

Needless to say, the system has met some outrage from the public who don't care for the "Big Brother" real-time surveillance implications. On the other hand, an LPCR system would free the police for more important responsibilities and writes speeding tickets for pennies! W5Y1

Being ignorant is not so much a shame, as being unwilling to learn.



NEW MEMBER: Only one this month but a good one. Please welcome Mike Ault, K05C. Mike had expressed an interest in contesting and-'PRESTO'- he is now a brand new Contest Committee helper. Now that is the kind of attitude that makes a club MOVE. Some of you newer members, who feel a little left out and unknown, please take note. If you want to join the 'clique', just get yourself involved. It won't take long and EVERYBODY will know you. And besides, you can get a great deal of personal satisfaction from helping OTVARC be better, more exciting, more fun and more valuable to everyone. A 'HATS OFF' to K05C. The club will be better because of you.....

UPGRADES AND CALL CHANGES: Jim Bernklau, W7JOI, from general to EXTRA. Mark Cotter, KA7OMW, from novice to general. Super deal. You guys both jumped two grades in one sitting. This act seems to be getting more popular as we have had several such upgrades recently. Nice going..... Katy LaPay, wife of recently deceased member N7ALM, John, decided to follow in her husbands footsteps and be a ham. Katy passed her novice test and now holds the call of KA7QWJ. That is really neat Katy. But-that call is kind of rough. We might suggest a class to upgrade you to general. An N7 would be a whole lot easier. Don't you think??? Congratulations to you.....



Laryl Berry, KM7Z, talks with visitor at Oregon State Ham Convention in Seaside, June 1983. Airmail consultant "B1RD" supervises from behind.

USQS visits Seaside Convention

Laryl Berry, KM7Z

USQS went on the road again, traveling to the Oregon State Ham Convention at Seaside, Oregon, held 3-5 June. During the three-day event, attended by approximately 2,000, the USQS booth was busy handing out hundreds of flyers, QSLs and taking in SASEs. The CADO computer system owned by Explorer Post 836, sponsored by USQS, now contains all bureau records. This computer was available at the booth for hamfair visitors to check their calls for unclaimed cards or SASEs.

USQS is an independent, stateside QSL bureau. There are no fees for using the incoming or outgoing service; we operate solely on donations. Please keep self-addressed stamped envelopes (SASEs) on file to receive QSLs for your station.

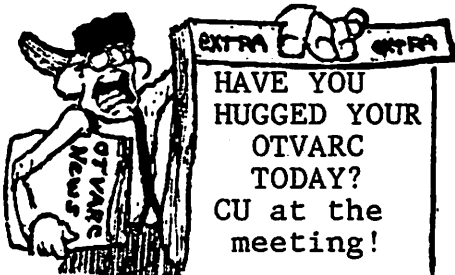
To claim cards or request information, please send an SASE with call sign. Please specify how many cards you wish returned in each SASE. Our address is: USQS/KM7Z, P.O. Box 814, Mulino, OR 97042; phone (503) 829-6797.

CLUB CAMPOUT

We had a good one thanks to Paul, WB7SHR and his wife, Bonnie. Also thanks to Linda, N7CZY. Our SMALL social committee put on a good show. It is too bad that it was raining in Portland and too many stayed home. The weather out Vernonia way was beautiful and the ground was dry. The potluck was good, the games were a kick and the opportunity to throw eggs and water balloons at Dick, WB7ADM, was not to be passed up. I was asked by Paul to print the game winners and I do so with reluctance. You will see why! The solo sack race was won by W7XI. The 3 legged sack race was won by Paul and Bonnie. The egg toss was won by WB7SIC and wife Mary. The water balloon toss was won by WB7SIC and N7CZY. The Lawn Darts contest was won by WB7SIC. The Bunny Hunt consisted of finding two hidden 'bunnies?' (ADM and LJN) Listed below are the placements.

WB7SIC--19 minutes
W7JWG--20 minutes
WB6SHR--45 minutes
N7CRQ--46 minutes
KA7MIE--49 minutes
W7JDC--58 minutes
KC7U--61 minutes
WB7QFL--62 minutes
KB7CC--73 minutes
KA7OFP--79 minutes

Fourteen people took part in the bunny hunt and it was really neat to see so many first time hunters. Some of them did very well and even if they didn't, had a good time trying. The experienced KC7U and N7CRQ got beaten by rank beginners. Does that give some of you incentive to get out and take part in our bunny hunts? I hope so! We had nearly 40 people out for the weekend and while that is commendable, it is far short of last years total. Why? Wx? Vacation? We need input. Lets make next years even better. What do YOU want?????



CONVENTION NEWS

June 1, 2 and 3 of 1984 will show a return of the very popular Oregon State Ham Convention. Once again to be held in Seaside. The banquet program may very well be Mr. Roy Neal, the science editor for NBC news. Mr. Neal is much in demand as a speaker for functions of this nature and gives an

excellent program. He has been solicited and we are awaiting a decision. It looks like we will finally have a tour arranged. This will be by bus and will most likely take in most of the sights both near Seaside as well as in Astoria. We hope this works out as it has been a weak spot in our convention. Listed below are the committees we need help on. If you can be of assistance please call me, Al, WB7SIC or Warren, W7JDT. We need YOU!

SEMINARS--ADVERTISING AND PRINTING--SECURITY--AUDIO VISUAL--KIDS KORNER--FLEA MARKET--EXHIBIT AIDS--PRIZES--LICENSE TESTING--EXHIBITS--TOURS.

We have the talent, we have the bodies. All we need is YOUR commitment.

ARRL NATIONAL CONVENTION-1986

Those of you not at our August meeting will find this of interest. We have applied with the ARRL for the hosting of the 1986 National. If we are accepted, it will be located at the Jantzen Beach Red Lion. The Red Lion and the Portland Convention Bureau are working on it for us. The ARRL decision will be made in early October. Everybody cross your fingers!!!

HAM SHACK POTUPOURI

An ampere is a rate of flow
Like gallons in a minute,
A coulomb is how much the pail
Eventually has in it.

A volt, like water pressure
Expressed in P.S.I.,
Is pushing force, and of course
Is what sends amperes by.

The ohm, resistance tries to stop
The ampere as it flows,
Remember, how the water slows
In long, long lengths of hose?

A kilo is a thousand of
Let's learn it right away,
So when you see the F.C.C.
You'll grin and bless the day.

Meg means a million of
As everybody knows,
Try writing the figure one
And follow with six 0's

Micro means a millionth of
Be sure you get the point,
Pico, one millionth micro
Both eyes jump out of joint.

For frequency, it's cycles
Or hertz, these modern times,
It doesn't make much difference
For neither one will rhyme.

Inductance comes by henrys
It's like a stretching spring,
Delays the current for awhile
But gives back everything.

Capacitance is the farad
It's like a spring let go,
Cap's store up the juice then lets
It loose to leap ahead and flow.

The watt is rate of power used
Volts multiplied by amps,
It's on appliance name plates,
Like toasters, irons, and lamps.

The joule is simply energy
One watt per seconds time,
Hold on, have patience this is all
We'll quickly end this rhyme.

KW. meters multiply one way
Volts push X amps X hours,
So you pay each thirty days
For energy from power.

Now get to work and memorize
This swinging little rhyme,
And you'll beat that Ham test
In half the usual time.

by Virg, W7NNE.

HELP!! Submit an article for OTVARC

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FOR SALE: Gersh deviation meter and service monitor model FM 3-7. With manuals. \$100.00.
 Swan 350 txcvr with mic and manuals. \$250.00.
 Paco model V-70 VTVM with manual for \$40.00.
 Eico model 352 bar generator for \$20.00.
 Eico model 147 A signal tracer for \$30.00.
 B&K model 801 capacitor analyzer for \$40.00.
 Archer CB watt/swr meter-code key (speed bug)-two car speakers-telephone test set. \$10.00 for any of them. HUNDREDS of tubes and misc. items. Call me at 283-9618 or at work at 297-4711. Fred, N7CDA.....

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Brian Hawkins
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The HA-201A 2-Meter Amp will get your hand-held into your favorite repeater full-quieting every time, delivering up to 10 watts for a mere 1½-watt in. Or 8 watts out for just 1 watt in. Great with the VF-2031, page 16. Fully automatic operation with solid-state T/R switching. Tuned input and output for maximum efficiency, reduced spurs. Withstands infinite VSWR. Includes dummy load, RF detector. VTVM needed for tune-up. Requires 12-16 VDC power source. 2¾" H x 5½" W x 5½" D.

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LATE NEWS

Leonard, N7EXM, got his extra a few weeks ago and just got a new call of KZ7I. Congrats to Len.

BS Typo-Graphics

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Package Offer!

250 QSLs and 250 Eyeball Cards to match: \$30.00

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EEI'S

T-4-2

The T-4-2 is a terminal unit for Radio Teletype and the Amateur Radio Morse Code. This fine demodulator will receive and transmit the Baudot and ASCII Codes needed for Radio teletype on the Ham Bands. It will also receive and transmit the Morse Code at speeds up to 60 wpm. Time tested L/C type tuning filters are used in both the mark and space tones. The operator has a hands-off, drift free unit with the sensitive selectivity and stability needed to compete on the loaded Ham Bands of today. The T-4-2 allows you to tune quickly from one station to the other, then to fine tune for maximum print. The T-4-2 has both computer interface and current loop connections, enabling it to be used with or without a computer.

SPECIFICATIONS

INTERFACE:
 Standard TTL output for computer.
 Optional - 20 Milliamp current loop for use without computer.

TUNING METHODS:
 EASE OF TUNING
 1. A sensitive Analog Meter
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 3. Fine tune adjustment for CW

FILTERING:
 Precise separate LC tuned Networks for mark space, and CW tones.

Super Rejection.
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N6AIC
Owner



ACTIVITIES

BUNNY HUNT SCHEDULE

Sept. 24--Intermediate--Bi-Mart lot in Hillsboro
 Oct. 8 --Advanced --Norths in Beaverton Mall
 Oct. 22 --Experimentor--Bvtn. Mall or anywhere
 Nov. 5 --Intermediate--Sears Auto, Wash. Square
 Nov. 19 --Advanced --Bi-Mart lot in Hillsboro
 Dec. 3 --Experimentor--Bvtn. Mall or anywhere

SEARCH AND RESCUE CONFERENCE

Washington County is inviting us to take part in the conference which is being held in Prineville on Sept. 23-24 and 25. Training classes will begin on the 23rd at 5:00 pm and will conclude on Sunday at noon. Instruction cost will be \$1.50 per day. They are offering classroom sessions in all areas of effective search and rescue operations. While this is quite a way to drive, it could be very beneficial and pay for itself in the future. Call Mark, N7CRQ for further info and possibilities of a carpool. Food and overnight lodging is NOT being provided by the conference. Have a nice weekend!!!

Oregon QSO Party

1700Z Sat. to 0800Z Sun., Oct. 1-2
 1500Z to 2400Z Sunday, Oct. 2

The Hermiston Amateur Radio Club of Oregon is sponsoring this one. The same station may be worked on each band and each mode, and Oregon may work other in-state stations for QSO and multiplier credit.

Exchange: RS(T) and QTH. County for Oregon; state, province, or country for others.

Scoring: One point per QSO. Oregon stations multiply total by number of OR counties, states, VE provinces, and countries worked. All others use OR counties for their multiplier (maximum of 36).

Frequencies: C.W.—60 kHz up from bottom of band. S.S.B.—1810, 3929, 7260, 14300, 21370, 28600. Novice—10 kHz up from bottom of Novice bands.

Awards: None were mentioned. Your entry may be mixed mode or c.w. only. There probably will be an appropriate certificate awarded.

Be sure to include a summary sheet with your log and a large s.a.s.e. for a copy of the results. All logs must be received by November 4th by Bob Franklin, KA7IXH, Rt. 3, Box 3783, Hermiston, OR 97838.

WINNERS!

The Contest Committee finally met and reviewed the May HAPPY HOUR logs. Official standings are:

Station	Score
W7XI	41
KA7CTP	40
WB7SIC	39
N7CRQ	37
NB7W	36
K7JF	35
W7JXU	34
N7CNW	32
KC7QV	32
KI7F	30
WB7FJC	24
W7AXJ	25
KC7PL	25
KA7KBH	23

Plaques will be presented at the September Meeting.

**DON'T FORGET
 OTVARC'S
 "RUSTY KEY"
 OCTOBER 20**

OTVARC'S 1984 CONTEST CALENDAR

January 9	Open Contest Committee meeting
January 19	RUSTY KEY NITE (15 Meters)
February 12	Valentin's Day Special Event
May 18	Happy Hour Contest
June 22-24	Field Day
August 17	Happy Hour Contest
October 18	4th Annual RUSTY KEY NITE (10 M.)



NEWS

BULLETIN

CONTEST COMMITTEE

As you know, our membership forms have spaces for you to indicate your interest areas of amateur radio. These forms were used to advantage recently. A number of members were called and asked to attend a contest committee meeting. The committee needed a shot in the arm and it got it, in spades. The list of NEW, and old, members follows: KD7LA, NB7W, KO5C, KO7B, N7CME, K7PSD, N7FAW, KA7NPN, KQ7I and ND7T. A great response and it will ensure that our 1984 contest activities go off in style. Thanks to all of you guys.....



PUBLIC/EMERGENCY SERVICE

It is time again for the AMERICAN DIABETES ASSOCIATION BIKATHON fund raiser. This year it will be on Sunday, Sept. 25. Last year we had a tremendous effort from about 40 or so OTVARC members. The Assoc. was overwhelmed with our quality, professional communications compared with the 11 meter communications provided the previous year. This year will be much like last except we will need 50 to 60 amateurs so as to provide adequate coverage. The routes this year include Beaverton, Forest Grove, Hillsboro, Newberg, Oregon City, Marine Drive, N., NE. and SE Portland, Tualatin, West Linn and Lake Oswego. Last year we provided communications between checkpoints on each route and between all routes and the mobile co-ordinator. We were able to keep track of riders between checkpoints in case they had any problems. If you are called upon to help in this years Bikathon, please say YES. You never know but what the money raised from this event may help create a drug that could prolong your own life. Thank you. N7CRQ

LAST MINUTE FLASH!!!

Roy Neal, K6DUE, NBC news and science editor, has agreed to come to Seaside and be our primary bqt. speaker. Mr. Neal is very highly regarded as a ham convention speaker and as he is very deeply involved in the space program, he will be a natural followup to our past banquet programs. Once again, Roy Neal is CONFIRMED!!!!!!!

ATTENTION AMPLIFIER OWNERS: Many older amplifiers, such as the Collins 30L-1 and the Heath HA-10, use four 811-A tubes in parallel as finals. Due to a recent price hike for power tubes in general, the list price for these tubes is over \$60 apiece. In other words, replacing the finals would be more expensive than replacing the amplifier. Amp Supply Co. still has a supply of 811-A's for only \$14.50 each. Stock up now or sing the blues later since every radio supply house on the West Coast which was contacted is selling these tubes at full retail. KQ7I

Weather boot

No more sticky tape, no more messy rubber products! Kilo-Tec announces a new custom weather boot for use with RG-8X, RG-58, RG-59 and RG-8 coaxial cables at PL-259/SO-239 combinations. Simply slip the weather boot over the coaxial cable before soldering on the connector, then slide the boot over the PL-259/SO-239 for a good weather seal.

The boots are manufactured with a flexible vinyl material that resists moisture and breakdown from the sun's rays. The boots are designed to keep the connections clean and dry and keep moisture out of coax cables.

We offer three models to choose from, depending on the cable type used: Model KTB-58 for RG-58 cables; Model KTB-8 for RG-8 cables; and Model KTB-8X for RG-8X or RG-59.



Ask your dealer or order direct from Kilo-Tec, P.O. Box 1001, Oak View, CA 93022; (818) 646-9645. We offer a kit of two of each type (total of six each) for \$5.95 plus shipping and handling.

Custom weather boots can be made for other types of cables and connectors. Contact Kilo-Tec for a quote on your special requirement. □



Happy birthday Marge.
With love, from Ted.

Heath SB Line for sale: SB-401, SB-301, HM-102 SWR/Power Meter, SB-650 Digital Display, SB-620 Scope, SB-600 Speaker, matching Heath 24 hour clock and Magnum Six Speech Processor, all for \$350. From the estate of W7QNI-exceptionally clean. Call Jeff KQ7I for details at 245-6303 or 692-4100.

MEETING PROGRAM: This month is supposed to be a social night but last minute efforts are being expended in rounding up a short and interesting dog and pony show. It may be a narrated slide program or it may be a personal presentation. The final word is out of town and it is press time. We shall see, as the saying goes.....

THE PRESIDENT'S CORNER From Bandspread, Cedar Valley A.R.C.

Over the years a person's interests peak and ebb. Likewise the vitality of an organization such as the CVARC has peaks and valleys dependent on the interests of its members. To expect otherwise would be folly. Maybe it is just my viewpoint but it seems to me that this club is not as energetic as it once was, not as cohesive as it used to be. Could it be that the newness of 2 meter FM has worn off, that we no longer have to prove to the non-amateur organizations that we can do their safety communications, that we have proven that we can put on national and divisional conventions, or could it be that the leadership has stagnated with remembrances of the way the it used to be.

A part of the problem may be that the club has not had much growth in terms of new members. While growth for the sake of numbers is not necessarily important, growth for the sake of new people with new ideas can be an important catalyst for an organization. For a period of time we grew because there was interest in a new communications mode (2 meter FM) and because the local radio company was drawing new hams to the area. Now for the health of the organization it is time to make an effort to attract new members and re-attract former members.

We should be giving some thought to new activities to match the interests of our members, activities which would attract new members and rekindle the enthusiasm of our old members. Although we have some activities which could be classified as traditional, we may need to consider dropping some of them. We have some activities that are supported by a few "old faithfuls." If the "old faithfuls" enjoy them then by all means should we continue them, but if they are doing them only because they are the "old faithfuls" then we either have to share the load with new people or we should consider dropping the activity.

The situation is probably not as bad as this may sound but I feel that we are at a minor cross roads in this organization.

=====

ARNS Bulletin -

(some good thoughts-ed)

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WHO TO CALL FOR WHAT

Public Service	Mark Cattell	N7CRQ	245-1230
Club Contests	(needed)		
Public Relations	Willie Raines	N7DZR	292-1656
Club Raffle	John Haide	WA7CZA	246-8086
Programs	Roger Steyaert	K7RXV	642-1419
Technical	"	"	"
Wash. Cty. EC	"	"	"
Club Socials	"	"	"
Club Jackets	Paul Lucas	WB6SHR	641-8703
ARRG INFO	Warren Winner	W7JDT	644-0752
Club Badges	"	"	"
Letter Changes	Linda Cereghino	N7CZY	643-5862
Classes	"	"	"
Bunny Hunts	Bob Orr	KB7CC	297-2732
ARRL Membership	Mark Cattell	N7CRQ	245-1230
Club Library	John Koenig	NB7W	641-7535
Club Scrapbook	(needed)		
Convention	(needed)		
Newsletter	Al Berg	WB7SIC	640-5456
ARRL Assist. Dir.	"	"	"

Congratulations are in order to those of you who have failed to get your call sign included in QST or one of ARRL's other publications. Your day has come! The newest addition to the ARRL line of publications is The ARRL Amateur Radio Call Directory, which lists all individual and club stations in the U.S. This is available now at stores carrying League publications or from ARRL Hq. for \$15.75 postpaid (U.S. funds).

COMING: New meeting place. SOON!!!!!!

OTVARD
P.O. BOX 5102
BEAVERTON, OR 97008

CAUTION

IF YOU THROW THIS IN YOUR WASTE BASKET UNOPENED, A CAPSULE OF WATER INSIDE WILL BREAK, SPILLING ONTO A DEHYDRATED BOA CONSTRUCTOR. HE WILL THEN CRAWL OUT OF THE ENVELOPE AND CRUSH YOUR LITTLE BODY.

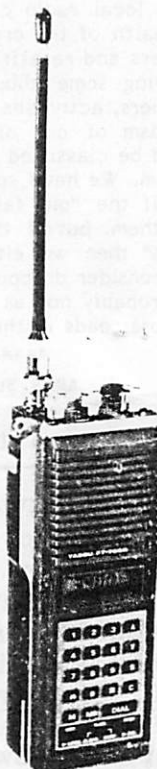
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CASH



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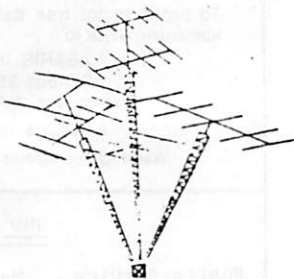
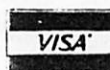
FT-77 \$539*

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